This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (original): A teatcup liner series comprising in combination a family of related teatcup liners, each liner having an upper mouthpiece and a barrel depending downwardly from said upper mouthpiece, said barrel extending axially along an axis for receiving a teat inserted axially thereinto through said mouthpiece, said teatcup liner series comprising n liners $L_1$ through $L_n$, wherein the material of at least one of said mouthpiece and said barrel progressively varies in hardness from $L_1$ to $L_n$.

Claim 2 (original): The teatcup liner series according to claim 1 wherein the material of said mouthpiece progressively increases in hardness from $L_1$ to $L_n$.

Claim 3 (original): The teatcup liner series according to claim 1 wherein the material of said barrel progressively decreases in hardness from $L_1$ to $L_n$.

Claim 4 (original): The teatcup liner series according to claim 1 wherein in combination the material of both said mouthpiece and said barrel progressively vary from $L_1$ to $L_n$.

Claim 5 (original): The teatcup liner series according to claim 1 wherein the material of said mouthpiece and the material of said barrel vary inversely relative to each other from $L_1$ to $L_n$.

Claim 6 (original): The teatcup liner series according to claim 5 wherein in combination the material of said mouthpiece progressively increases in hardness from $L_1$ to $L_n$, and the material of said barrel progressively decreases in hardness from $L_1$ to $L_n$.

Claim 7 (original): A teatcup liner series comprising in combination a family of related teatcup liners, each liner having an upper mouthpiece and a barrel depending downwardly from said upper mouthpiece, said barrel extending axially along an axis for receiving a teat inserted axially thereinto through said mouthpiece, said teatcup liner series comprising n liners $L_1$ through $L_n$, a plurality of grooves extending along at least one of said mouthpiece and said barrel, said grooves having a groove width progressively varying from $L_1$ to $L_n$.

Claim 8 (original): The teatcup liner series according to claim 7 wherein said groove width extends transversely to said axis.

Claim 9 (original): The teatcup liner series according to claim 8 wherein said grooves extend along said mouthpiece, and said groove width progressively decreases from $L_1$ to $L_n$.

Claim 10 (original): The teatcup liner series according to claim 9 wherein said mouthpiece has an upper lip having an aperture therethrough for receiving said teat, and said mouthpiece has a cavity between said lip and said barrel, and said grooves extend along said cavity, and said groove width in said cavity progressively decreases from $L_1$ to $L_n$.

Claim 11 (original): The teatcup liner series according to claim 8 wherein said grooves extend axially along said barrel, and said groove width progressively increases from $L_1$ to $L_n$.

Claim 12 (original): The teatcup liner series according to claim 8 wherein said grooves extend along both said mouthpiece and said barrel, said grooves having upper sections in said mouthpiece, and having lower sections in said barrel.

Claim 13 (original): The teatcup liner series according to claim 12 wherein in combination said groove width of said upper sections of said grooves progressively

decreases from $L_1$ to $L_n$, and said groove width of said lower sections of said grooves progressively increases from $L_1$ to $L_n$.

Claim 14 (original): The teatcup liner series according to claim 7 wherein said groove width extends axially.

Claim 15 (original): The teatcup liner series according to claim 14 wherein said mouthpiece has an upper lip having an aperture therethrough for receiving said teat, and said mouthpiece has a cavity between said lip and said barrel, and said grooves extend along said cavity in said mouthpiece.

Claim 16 (original): The teacup liner series according to claim 14 wherein said grooves extend along said barrel, and said groove width progressively increases from $L_1$ to $L_n$.

Claim 17 (original): The teatcup liner series according to claim 14 comprising grooves in both said mouthpiece and said barrel.

Claim 18 (original): A teatcup liner comprising an upper mouthpiece and a barrel depending downwardly from said upper mouthpiece, said barrel extending axially along an axis for receiving a teat inserted axially thereinto through said mouthpiece, a plurality of grooves extending along said liner and having a groove width measured transversely to said axis, said grooves having upper sections in said mouthpiece, said grooves having lower sections extending axially along said barrel, said upper sections of said grooves having a different groove width than said lower sections of said grooves.

Claim 19 (original): The teatcup liner according to claim 18 wherein said upper sections of said grooves have a larger said groove width than said lower sections of said grooves.

Claim 20 (original): The teatcup liner according to claim 18 wherein said upper sections of said grooves have a smaller said groove width than said lower sections of said grooves.

Claim 21 (original): The teatcup liner according to claim 18 wherein said mouthpiece has an upper lip having an aperture therethrough for receiving said teat, and said mouthpiece has a cavity between said lip and said barrel, said grooves extend upwardly along said barrel and then along said cavity and said lip to said aperture, and comprising groove transition sections along said cavity transitioning said grooves to said different groove width.

Claim 22 (original): A method for making a teatcup liner series having in combination a plurality of related teatcup liners, each liner having an upper mouthpiece, an intermediate barrel defined by a barrel wall, and a lower connecting tube, said barrel extending along an axial direction for receiving a teat inserted axially thereinto through said mouthpiece, said mouthpiece having an upper lip having an aperture therethrough for receiving said teat, said teat liner series comprising n said liners $L_1$ through $L_n$, each said liner having an outer profile surface and an inner profile surface, said method comprising:

forming a first of said liners $L_1$ in a mold having a first removable core $C_1$ inserted therein, said mold forming the outer profile surface of liner $L_1$, said core $C_1$ forming the inner profile surface of liner $L_1$;

forming a second of said liners $L_2$ in the same said mold having a second removable core $C_2$ inserted therein, said mold forming the outer profile surface of liner $L_2$, said core $C_2$ forming the inner profile surface of liner $L_2$;

forming the remainder of said liners through $L_n$ in the same said mold having respective removable cores through $C_n$ inserted therein, said mold forming

the outer profile surface of said liners through $L_n$, said cores through $C_n$ forming the inner profile surfaces of the liners through $L_n$,

wherein:

the same said mold is used for each of said liners $L_1$ through $L_n$;

the outer profile surface is the same for each of said liners $L_1$ through $L_n$;

different cores $C_1$ through $C_n$ are used for said liners $L_1$ through $L_n$; and

said inner profile surface is different liner to liner according to $C_1$ through $C_n$.

Claim 23 (original): The method according to claim 22 wherein said n liners $L_1$ through $L_n$ have at least one selected parameter which varies liner to liner, and wherein said selected parameter varies liner to liner according to $C_1$ through $C_n$.

Claim 24 (original): The method according to claim 23 wherein said selected parameter is a dimension.

Claim 25 (original): The method according to claim 24 wherein said lip has an axial thickness measured parallel to said axial direction, and said parameter is said axial thickness of said lip.

Claim 26 (original): The method according to claim 24 wherein said barrel wall has a transverse thickness measured transversely to said axial direction, and said parameter is said transverse thickness of said barrel wall.

Claim 27 (original): The method according to claim 24 wherein said barrel wall has inner surfaces defining a hollow interior with a transverse span thereacross

taken transversely to said axial direction, and wherein said parameter is said transverse span.

Claim 28 (original): The method according to claim 24 wherein said lip aperture has a transverse dimension taken transversely to said axial direction and defining a mouthpiece bore, and wherein said parameter is said mouthpiece bore.

Claim 29 (original): The method according to claim 24 wherein said mouthpiece has a cavity between said lip and said barrel, and said cavity has a transverse dimension taken transversely to said axial direction and defining a cavity bore, and wherein said parameter is said cavity bore.

Claim 30 (original): The method according to claim 24 wherein said mouthpiece has a cavity between said lip and said barrel, said cavity having a volume, and wherein said parameter is said cavity volume.

Claim 31 (original): A teatcup liner series comprising in combination a plurality of related teatcup liners, each liner having an upper mouthpiece, an intermediate barrel defined by a barrel wall, and a lower connecting tube, said barrel extending along an axial direction for receiving a teat inserted axially thereinto through said mouthpiece, said mouthpiece having an upper lip having an aperture therethrough for receiving said teat, said teatcup liner series comprising n said liners $L_1$ through $L_n$ having at least one selected parameter which varies liner to liner, wherein:

said lip has an axial thickness measured parallel to said axial direction;

said barrel wall has a transverse thickness measured transversely to said axial direction;

said parameter is the difference between said axial thickness of said lip and said transverse thickness of said barrel wall; and

said difference increases linearly from $L_1$ through $L_n$.

Claim 32 (original): A teatcup liner series comprising in combination a plurality of related teatcup liners, each liner having an upper mouthpiece, an intermediate barrel defined by a barrel wall, and a lower connecting tube, said barrel extending along an axial direction for receiving a teat inserted axially thereinto through said mouthpiece, said mouthpiece having an upper lip having an aperture therethrough for receiving said teat, said teatcup liner series comprising n said liners $L_1$ through $L_n$ having at least two selected parameters which vary liner to liner, wherein:

said lip has an axial thickness measured parallel to said axial direction;

said barrel wall has a transverse thickness measured transversely to said axial direction;

one of said parameters is the difference between said axial thickness of said lip and said transverse thickness of said barrel wall; and

said difference increases from $L_1$ through $L_n$.

Claim 33 (original): A teatcup liner series comprising in combination a plurality of related teatcup liners, each liner having an upper mouthpiece, an intermediate barrel defined by a barrel wall, and a lower connecting tube, said barrel extending along an axial direction for receiving a teat inserted axially thereinto through said mouthpiece, said mouthpiece having an upper lip having an aperture therethrough for receiving said teat, said teatcup liner series comprising n said liners $L_1$ through $L_n$ having at least two selected parameters which vary liner to liner, wherein:

said lip has an axial thickness A measured parallel to said axial direction;

said barrel wall has a transverse thickness B measured transversely to said axial direction;

one of said parameters is A;

another of said parameters is B; and

A and B vary inversely and linearly relative to each other from $L_1$ through $L_n$.

Claim 34 (original): A teatcup liner series comprising in combination a plurality of related teatcup liners, each liner having an upper mouthpiece, an intermediate barrel defined by a barrel wall, and a lower connecting tube, said barrel extending along an axial direction for receiving a teat inserted axially thereinto through said mouthpiece, said mouthpiece having an upper lip having an aperture therethrough for receiving said teat, said teatcup liner series comprising n said liners $L_1$ through $L_n$ having at least three selected parameters which vary liner to liner, wherein:

said lip has an axial thickness A measured parallel to said axial direction;

said barrel wall has a transverse thickness B measured transversely to said axial direction;

one of said parameters is A;

another of said parameters is B; and

A and B vary inversely relative to each other from $L_1$ through $L_n$.

Claim 35 (new): A teatcup liner series comprising in combination a family of related teatcup liners, each liner having an upper mouthpiece and a barrel depending downwardly from said upper mouthpiece, said barrel extending axially along an axial direction for receiving a teat inserted axially thereinto through said mouthpiece, said mouthpiece having an upper lip having an aperture therethrough for receiving said teat, said teatcup liner series comprising in combination n said liners $L_1$ through $L_n$ having at least one selected parameter which varies liner to liner,

said lip having an axial thickness measured parallel to said axial direction, wherein said parameter is said axial thickness of said lip.

Claim 36 (new): The teatcup liner series according to claim 35 wherein said axial thickness of said lip progressively increases from $L_1$ through $L_n$.

Claim 37 (new): A teatcup liner series comprising in combination a family of related teatcup liners, each liner having an upper mouthpiece and a barrel depending downwardly from said upper mouthpiece, said barrel extending axially along an axial direction for receiving a teat inserted axially thereinto through said mouthpiece, said teatcup liner series comprising n said liners $L_1$ through $L_n$ having at least one selected parameter which varies liner to liner, each liner having at least one groove extending along said mouthpiece, wherein said parameter is at least one of the size and number of said grooves.

Claim 38 (new): The teatcup liner series according to claim 37 wherein said parameter is said size of said grooves, and wherein said size of said grooves varies liner to liner.

Respectfully submitted,

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